

92890

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: SUJAKR PATEL Examiner #: 77018 Date: 4/30/93
Art Unit: 1624 Phone Number 30847 Serial Number: 1034922 10808273

Mail Box and Bldg/Room Location: CM 1411 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: NOVEL NITRIC CYCLO-RELLASIN AMIDINE - & ENAMINE
DERIVED BIAZENIUM DILATAT COMPO. & USES THEREOF
Method of making same

Inventors (please provide full names): HRA BIL et al

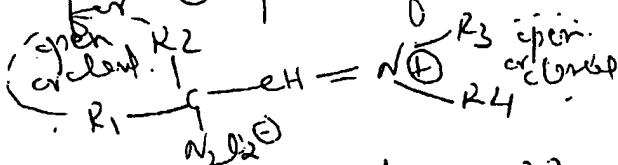
Earliest Priority Filing Date: 7/3/1997

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Need info & compd./compositions of use

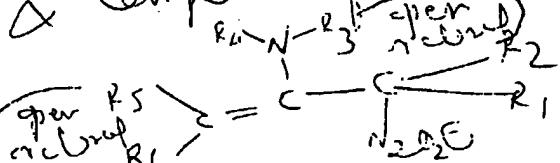
NO Synthese

for compounds of claim 21



Formula IV

& compounds of claim 22



POINT OF CONTACT:
PAUL SCHULWITZ
TECHNICAL INFO. SPECIALIST
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Need & this has to be in CAPS f
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STAFF USE ONLY

Searcher:

Type of Search

NA Sequence (#)

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132932

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AA Sequence (#)

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Searcher Location:

Structure (#)

Questel/Orbit

Date Searcher Picked Up:

Bibliographic

Dr. Link

5/1

Date Completed:

Litigation

Lexis/Nexis

5/1

Searcher Prep & Review Time:

Fulltext

Sequence Systems

30

Clerical Prep Time:

Patent Family

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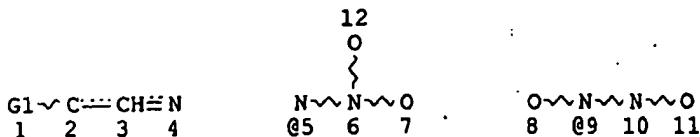
Online Time:

Other

Other (specify)

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L22 STR



VAR G1=5/9

NODE ATTRIBUTES:

NSPEC IS RC AT 2
 NSPEC IS RC AT 4
 CONNECT IS E2 RC AT 5
 CONNECT IS E3 RC AT 6
 CONNECT IS E1 RC AT 7
 CONNECT IS E1 RC AT 8
 CONNECT IS E3 RC AT 9
 CONNECT IS E2 RC AT 10
 CONNECT IS E1 RC AT 11
 CONNECT IS E1 RC AT 12
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

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RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 12

STEREO ATTRIBUTES: NONE

L24 16 SEA FILE=REGISTRY SSS FUL L22
 L25 6 SEA FILE=HCAPLUS ABB=ON PLU=ON L24

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L25 ANSWER 1 OF 6 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2001:502352 HCAPLUS
 DOCUMENT NUMBER: 135:256880
 TITLE: DFT studies for the substituent effect on the
 Diels-Alder reaction of 1,4-diaza-1,3-butadienes
 AUTHOR(S): Lee, Gab-Yong
 CORPORATE SOURCE: Department of Chemistry, Catholic University of Taegu,
 Kyongsan, 712-702, S. Korea
 SOURCE: Journal of the Korean Chemical Society (2001), 45(3),
 207-212
 CODEN: JKCSER; ISSN: 1017-2548
 PUBLISHER: Korean Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: Korean
 AB DFT calcns. have been performed on several substituted
 1,4-diaza-1,3-butadienes (1,4-DABs) with electron donating and withdrawing
 groups at the terminal two nitrogens to investigate the reactivity of
 Diels-Alder reaction with acrolein. The calcd. FMO (frontier MO) energies
 for the optimized 1,4-disubstituted-1,4-DABs have been used to explain
 both normal and inverse electron demand Diels-Alder reactions. It is
 shown that the electron donating and withdrawing substituents lead to the